HW-55
EPA Validated Data Summary Report
Dimock Residential Sampling
Sample Date: 2/13/2012

Sample Number	Analyte	Result			Trigger Levels		EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW55	1-Butanol	10,000.00	U	ug/L	1,500.00	ug/L				
HW55	1-Propanol	10,000.00	U	ug/L						
HW55	2-Butanol	10,000.00	U	ug/L						
HW55	Ethanol	10,000.00	U	ug/L						
HW55	Methanol	10,000.00	U	ug/L	7,800.00	ug/L				
HW55	Anionic Surfactants	0.01	U	mg/L						
HW55	Heterotrophic Plate Count		R	cfu/1mL						
HW55	Total Coliform Bacteria	1.00	U	cfu/100mL	0.00	cfu/100mL	5.00 %*			
HW55	Ethane	1.20	U	ug/L						
HW55	Ethene	1.10	U	ug/L						
HW55	Methane	21.00		ug/L	28,000.00	ug/L				
HW55	2-Butoxyethanol	5.00	U	ug/L						
HW55	2-Methoxyethanol	60.00	UJ	ug/L	78.00	ug/L				
HW55	2-Methoxyethanol	10.00	U	ug/L	78.00	ug/L				
HW55	Diethylene Glycol	25.00	U	ug/L	8,000.00	ug/L				
HW55	Ethylene Glycol	10,000.00	U	ug/L	31,000.00	ug/L				
HW55	Tetraethylene glycol	25.00	U	ug/L	8,000.00	ug/L				
HW55	Triethylene glycol	25.00	U	ug/L	8,000.00	ug/L				
HW55	Bromide	0.50	U	mg/L						
HW55	Chloride	4.52		mg/L				250.00 mg/L		250.00 mg/L
HW55	Fluoride	0.10	U	mg/L	0.62	mg/L	4.00 mg/L	2.00 mg/L	2.00 mg/L	
HW55	Sulfate	8.47		mg/L				250.00 mg/L		250.00 mg/L
HW55	Mercury	0.20	U	ug/L	4.30	ug/L	2.00 ug/L		2.00 ug/L	
HW55-F	Mercury	0.20	U	ug/L	4.30	ug/L	2.00 ug/L		2.00 ug/L	

Sample Number	Analyte	Result	Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW55	Aluminum	30.00 U ug/L	16,000.00 ug/L		200.00 ug/L		200.00 ug/L
HW55-F	Aluminum	30.00 U ug/L	16,000.00 ug/L		200.00 ug/L		200.00 ug/L
HW55	Antimony	2.00 U ug/L	6.00 ug/L	6.00 ug/L		6.00 ug/L	
HW55-F	Antimony	2.00 U ug/L	6.00 ug/L	6.00 ug/L		6.00 ug/L	
HW55	Arsenic	2.10 ug/L	4.50 ug/L	10.00 ug/L		10.00 ug/L	
HW55-F	Arsenic	1.60 ug/L	4.50 ug/L	10.00 ug/L		10.00 ug/L	
HW55	Barium	295.00 ug/L	2,900.00 ug/L	2,000.00 ug/L		2,000.00 ug/L	
HW55-F	Barium	291.00 ug/L	2,900.00 ug/L	2,000.00 ug/L		2,000.00 ug/L	
HW55	Beryllium	1.00 U ug/L	16.00 ug/L	4.00 ug/L		4.00 ug/L	
HW55-F	Beryllium	1.00 U ug/L	16.00 ug/L	4.00 ug/L		4.00 ug/L	
HW55	Boron	50.00 U ug/L	3,100.00 ug/L				
HW55-F	Boron	50.00 U ug/L	3,100.00 ug/L				
HW55	Cadmium	1.00 U ug/L	6.90 ug/L	5.00 ug/L		5.00 ug/L	
HW55-F	Cadmium	1.00 U ug/L	6.90 ug/L	5.00 ug/L		5.00 ug/L	
HW55	Calcium	34,100.00 ug/L					
HW55-F	Calcium	33,700.00 ug/L					
HW55	Chromium	2.00 U ug/L	3.10 ug/L	100.00 ug/L		100.00 ug/L	
HW55-F	Chromium	2.00 U ug/L	3.10 ug/L	100.00 ug/L		100.00 ug/L	
HW55	Cobalt	1.00 U ug/L	4.70 ug/L				
HW55-F	Cobalt	1.00 U ug/L	4.70 ug/L				
HW55	Copper	2.00 U ug/L	620.00 ug/L	1,300.00 ug/L**	1,000.00 ug/L	1,000.00 ug/L***	
HW55-F	Copper	2.00 U ug/L	620.00 ug/L	1,300.00 ug/L**	1,000.00 ug/L	1,000.00 ug/L***	
HW55	Iron	100.00 U ug/L	11,000.00 ug/L		300.00 ug/L		300.00 ug/L
HW55-F	Iron	100.00 U ug/L	11,000.00 ug/L		300.00 ug/L		300.00 ug/L
HW55	Lead	1.00 U ug/L	15.00 ug/L	15.00 ug/L**		5.00 ug/L***	
HW55-F	Lead	1.00 U ug/L	15.00 ug/L	15.00 ug/L**		5.00 ug/L***	
HW55	Lithium	200.00 U ug/L	31.00 ug/L				
HW55-F	Lithium	200.00 U ug/L	31.00 ug/L				
HW55	Magnesium	6,040.00 ug/L					

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HW55-F	Magnesium	5,980.00 ug/L						
HW55	Manganese	16.70 ug/L		320.00 ug/L		50.00 ug/L		50.00 ug/L
HW55-F	Manganese	15.80 ug/L		320.00 ug/L		50.00 ug/L		50.00 ug/L
HW55	Nickel	1.50 ug/L		300.00 ug/L				
HW55-F	Nickel	1.40 ug/L		300.00 ug/L				
HW55	Potassium	2,000.00 U ug/L						
HW55-F	Potassium	2,000.00 U ug/L						
HW55	Selenium	5.00 U ug/L		78.00 ug/L	50.00 ug/L		50.00 ug/L	
HW55-F	Selenium	5.00 U ug/L		78.00 ug/L	50.00 ug/L		50.00 ug/L	
HW55	Silver	1.00 U ug/L		71.00 ug/L		100.00 ug/L		100.00 ug/L
HW55-F	Silver	1.00 U ug/L		71.00 ug/L		100.00 ug/L		100.00 ug/L
HW55	Sodium	12,500.00 ug/L		20,000.00 ug/L				
HW55-F	Sodium	12,500.00 ug/L		20,000.00 ug/L				
HW55	Strontium	553.00 ug/L		9,300.00 ug/L				
HW55-F	Strontium	550.00 ug/L		9,300.00 ug/L				
HW55	Thallium	1.00 U ug/L		0.16 ug/L	2.00 ug/L		2.00 ug/L	
HW55-F	Thallium	1.00 U ug/L		0.16 ug/L	2.00 ug/L		2.00 ug/L	
HW55	Tin	200.00 U ug/L		9,300.00 ug/L				
HW55-F	Tin	200.00 U ug/L		9,300.00 ug/L				
HW55	Titanium	200.00 U ug/L						
HW55-F	Titanium	200.00 U ug/L						
HW55	Uranium	8.40 ug/L		47.00 ug/L	30.00 ug/L		30.00 ug/L	
HW55-F	Uranium	8.20 ug/L		47.00 ug/L	30.00 ug/L		30.00 ug/L	
HW55	Vanadium	5.00 U ug/L		78.00 ug/L				
HW55-F	Vanadium	5.00 U ug/L		78.00 ug/L				
HW55	Zinc	2.00 U ug/L		4,700.00 ug/L		5,000.00 ug/L		5,000.00 ug/L
HW55-F	Zinc	2.00 U ug/L		4,700.00 ug/L		5,000.00 ug/L		5,000.00 ug/L
HW55	Oil and Grease	5.20 UJ mg/L						
HW55	Total Dissolved Solids	102.00 mg/L				500.00 mg/L		500.00 mg/L

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HW55	Total Suspended Solids	10.00	U	mg/L						
HW55	1-Methylnaphthalene	5.00	U	ug/L	97.00	ug/L				
HW55	Acenaphthene	5.00	U	ug/L	400.00	ug/L				
HW55	Acenaphthylene	5.00	U	ug/L						
HW55	Acetophenone	5.00	U	ug/L	1,500.00	ug/L				
HW55	Anthracene	5.00	U	ug/L	1,300.00	ug/L				
HW55	Atrazine	5.00	U	ug/L	26.00	ug/L	3.00 ug/L		3.00 ug/L	
HW55	Benzo(a)anthracene	5.00	U	ug/L	2.90	ug/L				
HW55	Benzo(a)pyrene	5.00	U	ug/L	0.29	ug/L	0.20 ug/L		0.20 ug/L	
HW55	Biphenyl	5.00	U	ug/L						
HW55	Bromophenyl-4 Phenyl Ether	5.00	U	ug/L						
HW55	Butylbenzyl phthalate	5.00	U	ug/L	1,400.00	ug/L				
HW55	Caprolactam	5.00	U	ug/L	7,700.00	ug/L				
HW55	Carbazole	5.00	U	ug/L						
HW55	Chlorobenzenamine-4	5.00	U	ug/L	3.20	ug/L				
HW55	Chloronaphthalene-2	5.00	U	ug/L	550.00	ug/L				
HW55	Chlorophenol-2	5.00	U	ug/L	71.00	ug/L				
HW55	Chlorophenyl-4 phenyl ether	5.00	U	ug/L						
HW55	Chrysene	5.00	U	ug/L	290.00	ug/L				
HW55	Cresol, parachloro meta-	5.00	U	ug/L						
HW55	Cresol-4,6-dinitro-ortho	60.00	U	ug/L						
HW55	Cresol-o	5.00	U	ug/L	720.00	ug/L				
HW55	Cresol-p	5.00	U	ug/L	72.00	ug/L				
HW55	Dibenz(a,h)anthracene	5.00	U	ug/L	0.29	ug/L				
HW55	Dibenzofuran	5.00	U	ug/L						
HW55	Dichlorobenzidine-3,3'	60.00	U	ug/L	11.00	ug/L				
HW55	Dichlorophenol-2,4	5.00	U	ug/L	35.00	ug/L				
HW55	Dimethylphenol, 2,4-	5.00	U	ug/L	270.00	ug/L				
HW55	Dinitrophenol-2,4	60.00	U	ug/L	30.00	ug/L				

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HW55	Dinitrotoluene-2,4	5.00 U	ug/L					
HW55	Dinitrotoluene-2,6	5.00 U	ug/L					
HW55	Ether, bis(2-chloroethyl)	5.00 U	ug/L	1.20 ug/L				
HW55	Ether-bis(2-chloroisopropyl)	5.00 U	ug/L					
HW55	Fluoranthene	5.00 U	ug/L	630.00 ug/L				
HW55	Fluoranthene benzo(k)	5.00 U	ug/L	29.00 ug/L				
HW55	Fluoranthene-benzo(b)	5.00 U	ug/L	5.60 ug/L				
HW55	Fluorene	5.00 U	ug/L	220.00 ug/L				
HW55	Hexachlorobenzene	5.00 U	ug/L	4.20 ug/L	1.00 ug/L		1.00 ug/L	
HW55	Hexachlorobutadiene	0.50 U	ug/L	26.00 ug/L				
HW55	Hexachlorobutadiene	5.00 U	ug/L	26.00 ug/L				
HW55	Hexachlorocyclopentadiene	5.00 U	ug/L	22.00 ug/L	50.00 ug/L		50.00 ug/L	
HW55	Hexachloroethane	5.00 U	ug/L	5.10 ug/L				
HW55	Isophorone	5.00 U	ug/L	6,700.00 ug/L				
HW55	Methane, bis(2-chloroethoxy)	5.00 U	ug/L	47.00 ug/L				
HW55	Methylnaphthalene-2	5.00 U	ug/L	27.00 ug/L				
HW55	Naphthalene	0.50 U	ug/L	14.00 ug/L				
HW55	Naphthalene	5.00 U	ug/L	14.00 ug/L				
HW55	Nitroaniline, ortho	5.00 U	ug/L	150.00 ug/L				
HW55	Nitroaniline-3	5.00 U	ug/L					
HW55	Nitrobenzenamine-4	5.00 U	ug/L	61.00 ug/L				
HW55	Nitrobenzene	5.00 U	ug/L	12.00 ug/L				
HW55	Nitrophenol-2	5.00 U	ug/L					
HW55	Nitrophenol-4	10.00 U	ug/L					
HW55	Nitrosodimethylamine-n	5.00 U	ug/L	0.04 ug/L				
HW55	Nitrosodiphenylamine-n	5.00 U	ug/L	1,000.00 ug/L				
HW55	Pentachlorophenol	60.00 U	ug/L	17.00 ug/L	1.00 ug/L		1.00 ug/L	
HW55	Perylene-benzo(ghi)	5.00 U	ug/L					
HW55	Phenanthrene	5.00 U	ug/L					

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HW55	Phenol	5.00 U ug/L		4,500.00 ug/L				
HW55	Phthalate, bis(2-ethylhexyl) (DEHP)	5.00 U ug/L		7.10 ug/L	6.00 ug/L		6.00 ug/L	
HW55	Phthalate, Dimethyl	5.00 U ug/L		1,400.00 ug/L				
HW55	Phthalate, di-n-butyl-	5.00 U ug/L		670.00 ug/L				
HW55	Phthalate, di-n-octyl	5.00 U ug/L						
HW55	Phthalate-diethyl	5.00 U ug/L		11,000.00 ug/L				
HW55	Propylamine,n-nitroso di-n-	5.00 U ug/L		0.93 ug/L				
HW55	Pyrene	5.00 U ug/L		87.00 ug/L				
HW55	Pyrene-indeno(1,2,3-cd)	5.00 U ug/L		3.00 ug/L				
HW55	Tetrachlorobenzene, 1,2,4,5-	5.00 U ug/L		1.20 ug/L				
HW55	Tetrachlorophenol, 2,3,4,6-	5.00 U ug/L		170.00 ug/L				
HW55	Trichlorophenol-2,4,5	5.00 U ug/L		890.00 ug/L				
HW55	Trichlorophenol-2,4,6	5.00 U ug/L		9.04 ug/L				
HW55	TPH - Diesel Range Organics	250.00 U ug/L						
HW55	TPH - Gasoline Range Organics	50.00 U ug/L						
HW55	TPH - Oil Range Organics	1,000.00 U ug/L						
HW55	1,2-Dibromo-3-chloropropane (DBCP)	2.00 U ug/L		0.03 ug/L	0.20 ug/L		0.20 ug/L	
HW55	4-Methyl-2-pentanone	2.00 U ug/L		1,000.00 ug/L				
HW55	Acetone	2.00 UJ ug/L						
HW55	Benzene	0.50 U ug/L			5.00 ug/L		5.00 ug/L	
HW55	Bromobenzene	0.50 U ug/L						
HW55	Bromoform	0.50 U ug/L			80.00 ug/L		80.00 ug/L	
HW55	Butylbenzene	0.50 U ug/L						
HW55	Butylbenzene, sec-	0.50 U ug/L						
HW55	Butylbenzene, tert-	0.50 U ug/L						
HW55	Carbon disulfide	0.50 U ug/L						
HW55	Carbon Tetrachloride	0.50 U ug/L			5.00 ug/L		5.00 ug/L	
HW55	Chlorobenzene	0.50 U ug/L			100.00 ug/L			
HW55	Chlorobromomethane	0.50 U ug/L						

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HW55	Chloroethane	0.50 U ug/L					
HW55	Chloroform	0.50 U ug/L		80.00 ug/L		80.00 ug/L	
HW55	Chlorotoluene	0.50 U ug/L	180.00 ug/L				
HW55	Chlorotoluene-p	0.50 U ug/L	190.00 ug/L				
HW55	Cyclohexane	0.50 U ug/L					
HW55	Dibromochloromethane	0.50 U ug/L		80.00 ug/L		80.00 ug/L	
HW55	Dibromoethane-1,2	0.50 U ug/L	0.65 ug/L	0.05 ug/L		0.05 ug/L	
HW55	Dibromomethane	0.50 U ug/L					
HW55	Dichlorobenzene-1,2	0.50 U ug/L	280.00 ug/L	600.00 ug/L		600.00 ug/L	
HW55	Dichlorobenzene-1,3	0.50 U ug/L					
HW55	Dichlorobenzene-1,4	0.50 U ug/L	42.00 ug/L	75.00 ug/L		75.00 ug/L	
HW55	Dichlorobromomethane	0.50 U ug/L		80.00 ug/L		80.00 ug/L	
HW55	Dichlorodifluoromethane	0.50 U ug/L					
HW55	Dichloroethane-1,1	0.50 U ug/L	240.00 ug/L				
HW55	Dichloroethane-1,2	0.50 U ug/L	15.00 ug/L	5.00 ug/L		5.00 ug/L	
HW55	Dichloroethene-1,2 trans	0.50 U ug/L		100.00 ug/L		100.00 ug/L	
HW55	Dichloroethylene-1,1	0.50 U ug/L		7.00 ug/L		7.00 ug/L	
HW55	Dichloroethylene-1,2 cis	0.50 U ug/L		70.00 ug/L		70.00 ug/L	
HW55	Dichloropropane, 1,2-	0.50 U ug/L	38.00 ug/L	5.00 ug/L		5.00 ug/L	
HW55	Dichloropropane, 1,3-	0.50 U ug/L	290.00 ug/L				
HW55	Dichloropropane, 2,2-	0.50 U ug/L					
HW55	Dichloropropene, 1,1-	0.50 U ug/L					
HW55	Dichloropropene, 1,3 cis-	0.50 U ug/L					
HW55	Dichloropropene, 1,3 trans-	0.50 U ug/L					
HW55	Ethylbenzene	0.50 U ug/L		700.00 ug/L		700.00 ug/L	
HW55	Freon 113	0.50 U ug/L					
HW55	Hexanone, 2-	2.00 U ug/L	34.00 ug/L				
HW55	Isopropylbenzene	0.50 U ug/L					
HW55	Isopropylbenzene-4,methyl-1	0.50 U ug/L					

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HW55	m,p-Xylene	1.00	U	ug/L			10,000.00	ug/L		10,000.00	ug/L	
HW55	Methyl acetate	0.50	U	ug/L								
HW55	Methyl bromide	0.50	UJ	ug/L								
HW55	Methyl chloride	0.50	U	ug/L								
HW55	Methyl cyclohexane	0.50	U	ug/L								
HW55	Methyl ethyl ketone	2.00	U	ug/L	4,900.00	ug/L						
HW55	Methyl tertiary butyl ether (MTBE)	0.50	U	ug/L								
HW55	Methylene chloride	0.50	U	ug/L			5.00	ug/L		5.00	ug/L	
HW55	Propylbenzene-n	0.50	U	ug/L								
HW55	Styrene	1.00	U	ug/L			100.00	ug/L		100.00	ug/L	
HW55	Tetrachloroethane, 1,1,1,2-	0.50	U	ug/L	50.00	ug/L						
HW55	Tetrachloroethane, 1,1,2,2-	0.50	U	ug/L	6.60	ug/L						
HW55	Tetrachloroethylene	0.50	U	ug/L			5.00	ug/L		5.00	ug/L	
HW55	Toluene	0.50	U	ug/L			1,000.00	ug/L		1,000.00	ug/L	
HW55	Trichlorobenzene-1,2,3	0.50	U	ug/L	5.20	ug/L						
HW55	Trichlorobenzene-1,2,4	0.50	U	ug/L	5.20	ug/L	70.00	ug/L		70.00	ug/L	
HW55	Trichloroethane-1,1,1	0.50	U	ug/L	7,500.00	ug/L	200.00	ug/L		200.00	ug/L	
HW55	Trichloroethane-1,1,2	0.50	U	ug/L	0.41	ug/L	5.00	ug/L		5.00	ug/L	
HW55	Trichloroethylene	0.50	U	ug/L			5.00	ug/L		5.00	ug/L	
HW55	Trichlorofluoromethane	0.50	U	ug/L								
HW55	Trichloropropane-1,2,3	0.50	U	ug/L	0.07	ug/L						
HW55	Trimethylbenzene-1,2,4	0.50	U	ug/L	15.00	ug/L						
HW55	Trimethylbenzene-1,3,5	0.50	U	ug/L	87.00	ug/L						
HW55	Vinyl acetate	0.50	U	ug/L								
HW55	Vinyl chloride	0.50	U	ug/L			2.00	ug/L		2.00	ug/L	
HW55	Xylene-o	1.00	U	ug/L			10,000.00	ug/L		10,000.00	ug/L	
HW55	Nitrogen, Nitrite + Nitrate	0.30		mg/L			10.00	mg/L		10.00	mg/L	
HW55	Total Nitrogen	1.00	U	mg/L								
HW55	Total Phosphorus as P	0.05	U	mg/L								

Sample Number	Analyte	Result	Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs

Sample Number – Code that is used to identify the particular sample. See additional information below:

HW## – Identifies the sample location and indicates that it was collected at well head or closest point to the well head.
F – Indicates that the sample was filtered following collection. The purpose of filtering the sample is to remove any particulates in order to find what metals are actually dissolved in the water sample.
Z – Identifies a duplicate sample. Duplicate samples are collected for every ten samples collected to test the reproducibility of sampling and analytical procedures.
P – Indicates that the sample was collected at the kitchen tap. In some cases this may be following any treatment that the residence may have.
A/B – Designates which residence the sample was collected for sample locations with multiple residences using the same water source (may be a well or a spring).
RO – Indicated that the sample was collected from a residence containing a reverse osmosis treatment system.
N – Designates that the sample was collected from the new well for locations with multiple wells.

Analyte – General term for a substance in the sample. The lab does testing to find specific analytes, or substance in the water sample. The report lists each analyte that the lab tested for and what amounts were found.

TPH - Total Petroleum Hydrocarbons

Result and Units – identifies the actual result for the particular analyte and the measurement used for the particular type of sample. The results may include the following units for the various water sample analyses:

µg /L – Micrograms per liter (abbreviated as µg /L) measurements of the mass of the substance per liter of water. This measurement is commonly known as parts per billion or ppb. Drinking water results are usually reported in µg /L.
mg/L – Milligrams per liter (abbreviated as mg/L) measurements of the mass of the substance per liter of water. This measurement is commonly known as parts per million or ppm.
cfu/100 mL – Total Coliform Bacteria results are reported as colony forming units (cfu) per milliliters of water. Coliform bacteria is not a health threat in itself; it is used to indicate whether other potentially harmful bacteria may be present.
cfu/1mL – Heterotrophic Plate Count Bacteria (HPC) are reported as colony forming units (cfu) per milliliter of water. HPC has no health effects; it is an analytic method used to measure the variety of bacteria that are common in water. The lower the concentration of bacteria in drinking water, the better maintained the water system is.
Absent or Present – Fecal Coliform Bacteria are reported as either being Absent or Present. Fecal Coliform Bacteria are bacteria whose presence indicates that the water may be contaminated with human or animal wastes. Disease-causing microbes (pathogens) in these wastes can cause diarrhea, cramps, nausea, headaches,

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Trigger Level – established for this project, the trigger levels are based on risk-based screening levels and/or standards for public water supplies. A yellow highlighted result represents an analytical result greater than the established trigger level. Results exceeding a trigger level are referred to an EPA toxicologist for further review.
EPA Primary MCLs – the primary maximum contaminant levels (MCLs) are legally enforceable standards established under the Safe Drinking Water Act to protect public health by limiting the levels of contaminants in public drinking water systems. The MCL is the amount of an analyte (substance) that can be present in a water sample that the government considers acceptable to drink. EPA considers the MCLs when evaluating results from residential drinking water wells.
EPA Secondary MCLs - secondary MCLs are non-enforceable standards regulating contaminants that may cause cosmetic effects (such as skin or tooth discoloration) or aesthetic effects (such as taste, odor, or color) in drinking water. EPA recommends secondary standards to public water systems, but does not require systems to comply. However, states may choose to adopt them as enforceable standards.
DEP MCLs (Primary and Secondary) – Chapter 109, Pennsylvania Safe Drinking Water Regulations, defines MCL as the maximum permissible level of a contaminant in water which is delivered to a user of a public water system, and includes the primary and secondary MCLs established under the Federal Safe Drinking Water Act, and MCLs adopted under the act.

* No more than 5.0% samples total coliform-positive in a month. (For water systems that collect fewer than 40 routine samples per month, no more than one sample can be total coliform-positive per month.) Every sample that has total coliform must be analyzed for either fecal coliforms or E. coli if two consecutive TC-positive samples, and one is also positive for E.coli fecal coliforms, system has an acute MCL violation.

** EPA has not established an MCL for lead or copper. Lead and copper are regulated by a Treatment Technique that requires public drinking water systems to control the corrosiveness of their water. If more than 10% of tap water samples exceed the action level, water system must take additional steps. For lead, the action level is 15 ug/L, and for copper is 1,300 ug/L.

*** The DEP Primary MCLs for lead (5 ug/L) and copper (1,000 ug/L) are applicable only to bottled, vended, retail and bulk water hauling systems, otherwise the DEP uses the federal action levels for lead (15 ug/L), and for copper (1,300 ug/L).

Validation Result Qualifiers - EPA performs a quality check on the lab results. After this quality check, EPA may mark the measurement of certain analytes with a qualifier to give additional information about the measurement. This information can apply to 1) how certain EPA is that the lab detected the analyte and 2) how certain EPA is of the measurement of the analyte once detected. If there is no qualifier by the result, the detection and measurement of the analyte are certain

U – Indicates that the analyte was not detected. If there is a number next to the U, this number is the amount of analyte that would have to be present to be detected by the lab given the particular method and/or instrumentation.
J – This means that the analyte was detected, but the value of the result is an estimate.
UJ - The U before the J means that the analyte was not detected in the sample, but this result may be inaccurate. Some analyte may be present.
R – Indicates that the data has been rejected. For glycol analyses, data with detected concentrations above the Method Detection Limit (MDL) and less than the Reporting Limit (RL) were rejected due to the laboratory not using a second column and/or gas chromatography with mass spectrometry to confirm the identity of the compound listed. For Heterotrophic Plate Count analysis, data were rejected if the laboratory did not run a method blank (i.e. sterility control) for each series of samples plated to determine whether the test samples could have been contaminated during analysis. For semivolatile organic compound analysis, non-detect data have been rejected due to low recoveries of required method quality control checks.
MDL – Is the minimum concentration of a substance that can be measured and reported with 99-percent confidence that the concentration of the substance is greater than zero.
RL – Is the lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions, typically set at the lowest standard in the calibration curve